

1 IN THE DISCLOSURE:

- 2 1. Replace the paragraph beginning at page 1, line 19, with the following replacement
3 paragraph:

4 This application is a divisional of U.S. patent application serial No. 10/014,976 filed
5 December 11, 2001, entitled "Molten Metal Reactor Utilizing Molten Metal Flow for Feed
6 Material and Reaction Product Entrapment," now U.S. Patent No. 6,717,026 B2, which claimed
7 priority from U.S. provisional patent application serial No. 60/271,825 filed February 27, 2001,
8 entitled "Molten Metal Reactor Utilizing Molten Metal Flow for Feed Material and Reaction
9 Product Entrapment." The Applicant claims priority from U.S. patent application No.
10 10/014,979 under 35 U.S.C. §120, and claims priority from provisional application No.
11 60/271,825 under 35 U.S. C. §119(e). The entire content of each of these applications is
12 incorporated herein by this reference.

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14 2. Replace the paragraph beginning at page 12, line 19, with the following replacement
15 paragraph:

16 Although a molten reactant metal level is shown by a dashed line in Figure 1 for
17 chambers 11, 14 and 15, Figure 1 does not show a molten reactant metal level in treatment
18 chamber ~~[[11]]~~ 12. This should not be taken to imply that there will be no gas phase in treatment
19 chamber 12. For many feed materials, a distinct gas phase of reaction products will emerge in
20 the top of treatment chamber 12. However, these reaction products will be held in close
21 proximity to the surface of the molten reactant metal 16 in position to facilitate further reaction
22 of the reaction product if not fully reduced. Gaseous reaction products will also bubble up

- 1 through molten reactant metal in the output chamber 14 to allow any further reactions possible
- 2 between the reaction products and molten reactant metal.

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